## We claim:

1	1. An catheter, comprising:
2	a hollow catheter/body defining a proximal portion and a distal
3	portion;
4	at least one internal component within the distal portion of the
5	catheter body;
6	adhesive material located within the distal portion of the catheter
7	body about the at least one internal component; and
8	a torque transfer device located within at least a portion of the
9	adhesive material and adapted to engage at least a portion of the at least one
10	internal component and transfer torque to the at least one internal
11	component.
1	2. A catheter as dlaimed in claim 1, wherein the catheter body
2	comprises a proximal member and a distal member secured to one another.
1	3. A catheter as claimed in claim 2, wherein the proximal member
2	and distal member are secured to one another in a butt bond arrangement.
1	4. A catheter as claimed in claim 3, further comprising:
2	a butt bond sleeve having a portion located within and bonded
3	to the proximal member and a portion located within and bonded to the distal
4	member, at least a portion of the adhesive material being located within the
5	butt bond sleeve.
1	5. A catheter as claimed in claim 4, wherein the torque transfer
2	device is located within the butt bond sleeve.
1	6. A catheter as claimed in claim 4, wherein the torque transfer
2	device comprises at least one rib projecting inwardly from the butt bond
3	sleeve.
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- 7. A catheter as claimed in claim 2, wherein the proximal member and distal member define respective proximal and distal portions and one of the proximal member distal portion and the distal member proximal portion overlaps the other, thereby defining an overlapping region.
- 8. A catheter as claimed in claim 7, wherein the proximal and distal members are thermally bonded at the overlapping region.
- 9. A catheter as claimed in claim 7, wherein the torque transfer device is located within the overlapping region.
  - 10. A catheter as claimed in claim 1, further comprising:a handle connected to the proximal portion of the catheter body.
- 11. A catheter as claimed in claim 1, wherein the at least one internal component comprises a steering center support having at least one steering wire connected thereto.
- 12. A catheter as claimed in claim 11, wherein the steering center support includes a relatively wide proximal portion, a tapered central portion and a relatively narrow distal portion
- 13. A catheter as claimed in claim 1, wherein the torque transfer device comprises a crimp sleeve disposed substantially around at least a portion of the at least one internal component and in contact with the adhesive material.
- 14. A catheter as claimed in claim 13, wherein the crimp sleeve comprises a tubular sleeve.
- 15. A catheter as claimed in claim 13, wherein the crimp sleeve comprises a substantially U-shaped sleeve.

- 16. A catheter as claimed in claim 13, wherein the crimp sleeve comprises a substantially C-shaped sleeve.
  - 17. A catheter as claimed in claim 13, wherein the crimp sleeve comprises a substantially G-shaped sleeve.
  - 18. A catheter as claimed in claim 1, wherein the torque transfer device comprises a stiffener member being fixedly engaged to the at least one internal component and in contact with the adhesive material.
  - 19. A catheter as claimed in claim 18, wherein the stiffener member comprises a generally flat member having a curved portion that is engaged to the at least one internal component and a distally projecting arm portion that projects into the adhesive material.
  - 20. A catheter as claimed in claim 1, wherein the torque transfer device comprises a laterally extending portion of the at least one internal component, the laterally extending portion being disposed within the adhesive material.
  - 21. A catheter as claimed in claim 20, wherein the at least one internal component comprises a steering center support having at least one steering wire connected thereto.
  - 22. A catheter as claimed in claim 1, wherein the torque transfer comprises a sleeve having at least one inwardly extending rib member located in the distal portion of the catheter body.

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23 1 A steering mechanism for use with a catheter, comprising: 2 a steering center support defining a distal end; and 3 at least one steering wire connected to the center support a 4 sufficient distance from the distal end of the center support to provide a 5 straight distal end when the steering wire is activated to bend the center 6 support. 24. 1 A catheter as claimed in claim 23, wherein the center support 2 3 4 relatively narrow distal portion. 25. 1

- includes a relatively wide proximal portion, a tapered central portion and a relatively narrow distal portion, the steering wire being engaged to the
- A catheter as claimed in claim 23, wherein the steering wire is connected to the center support at a point located approximately one inch from the distal end of the center support.
- 26. A catheter as claimed in claim 23, wherein the center support includes a relatively wide proximal portion and a tapered distal portion, the steering wire being connected to the relatively wide proximal portion.
- An apparatus for creating a lesion in body tissue, comprising: 27. a catheter body having a distal assembly including a steering mechanism adapted to cause the distal assembly to contact body tissue along the length of the distal assembly; and

at least two electrodes supported by the distal assembly and capable of creating generally elliptical lesions at least 2 cm long and 7 mm deep which are substantially continuous and uniform in depth when a source of radiofrequency energy simultaneously conveys radiofrequency energy to the at least two electrodes.

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1	28. An apparatus as claimed in claim 27, wherein the steering										
2	mechanism is adapted to cause the distal assembly carrying electrodes to										
3	contact body tissue within the crevasse between the inferior vena cava and										
4	tricuspid annulus.										
1	29. An apparatus as claimed in claim 27, wherein the steering										
2	mechanism is adapted to cause the distal assembly carrying electrodes to										
3	exert increased force against body tissue.										
1 2	30. A catheter, comprising:  a hollow catheter body having a side wall and an aperture										
3	extending through a predetermined portion of the side wall;										
4	at least one internal component located within the catheter										
5	body; and										
6	adhesive material located within the hollow catheter body such										
7	that at least a portion of the adhesive material is in the vicinity of the side wall										
8	aperture, the adhesive material securing the hollow catheter body to the at										
9	least one internal component.										
1	31. A catheter as claimed in claim 30, wherein the at least one										
2	internal component comprises a guide coil.										
1	32. A catheter as claimed in claim 30, wherein the at least one										
2	internal component comprises a steering center support.										
1	33. A catheter as claimed in claim 30, wherein the at least one										
2	internal component comprises a sleeve covering at least a portion of the										
3	steering center support.										



extends around the periphery of the internal component.

A catheter as claimed in claim 30, wherein the adhesive material



1	defines	5. A	cathete	r as	claimed	in d	claim	30,	wherein	the o	catheter	body
2	defines	a prox	imal end	and	a distal	end	and	the s	ide wall	apert	ure is lo	cated
3	substan	tially a	djacent to	the	proxima	l end	d.					

- 36. A catheter as claimed in claim 30, wherein the catheter body comprises a distal member and a proximal member secured to the distal member and the side wall aperture is located in the proximal member.
- 37. A catheter as claimed in claim 36, wherein the distal member includes at least one energy transmission element.
- 38. A catheter as claimed in claim 37, wherein the at least one energy transmission element comprises a tip energy transmission element, and the at least one internal component is connected to the tip energy transmission element.

## 39. A catheter as claimed in claim 30, further comprising:

a torque transfer device located within at least a portion of the adhesive material and adapted to engage at least a portion of the at least one internal component and transfer torque to the at least one internal component.

## 40. A catheter, comprising:

a hollow catheter body proximal member defining a distal region;

a hollow catheter body distal member defining a proximal region, the distal and proximal members being respectively located such that one of the distal region of the proximal member and the proximal region of the distal member overlaps the other, thereby creating an overlapping region;

a bond at the overlapping region securing the proximal member to the distal member; and

at least one internal component located within at least the distal member.

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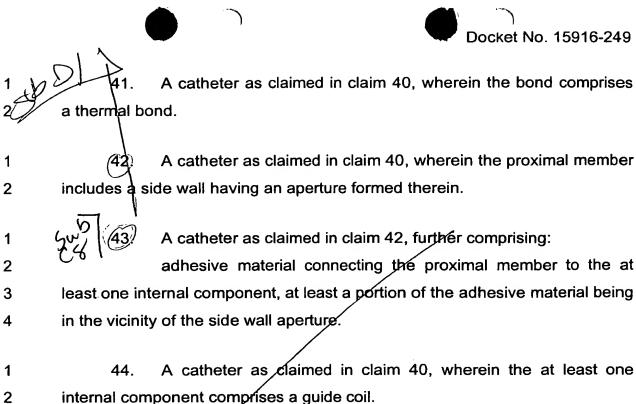
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- A catheter as claimed in claim 40, wherein the at least one internal component comprises a guide coil.
- A catheter as claimed in claim 40, wherein the at least one 45. internal component comprises a steering center support.
- A catheter as claimed in claim 45, wherein the at least one internal component comprises a sleeye covering at least a portion of the steering center support.
- 47. A catheter as claimed in claim 40, wherein the adhesive extends around the periphery of the internal component.
- A catheter as claimed in claim 40, wherein the distal member cludes at least one energy transmission element.
- A catheter as claimed in claim 48, wherein the at least one energy transmission element comprises a tip energy transmission element, and the at least one internal component is connected to the tip energy transmission element.

